



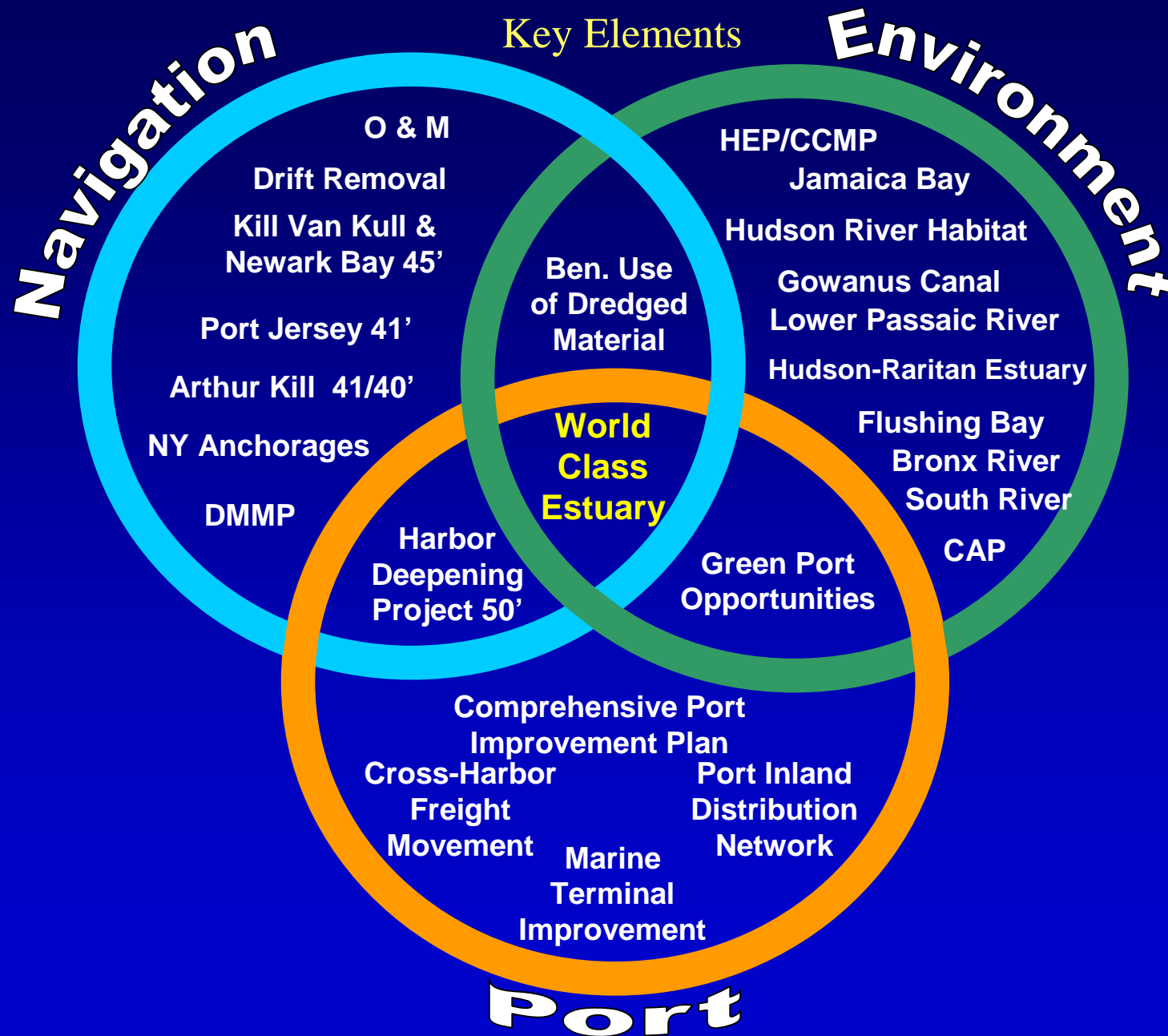
US Army Corps
of Engineers
New York District

NY & NJ Harbor Estuary Initiatives



One estuary, One port, One vision

A Vision for the NY & NJ Harbor Estuary





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Kill Van Kull & Newark Bay Channels (45 foot Project)

- **DESCRIPTION:** Channel deepening from 40 ft to 45 ft.

- **STATUS:**

- ◆ Nine Construction Areas:

- ◆ Area 1, 2, 3, 4a & 7 Completed

- ◆ On-Going Work:

- ◆ Area 6 (July 04 Completion)
 - ◆ Area 5 (Dec 04 Completion)

- ◆ Planned 02 Contract Awards

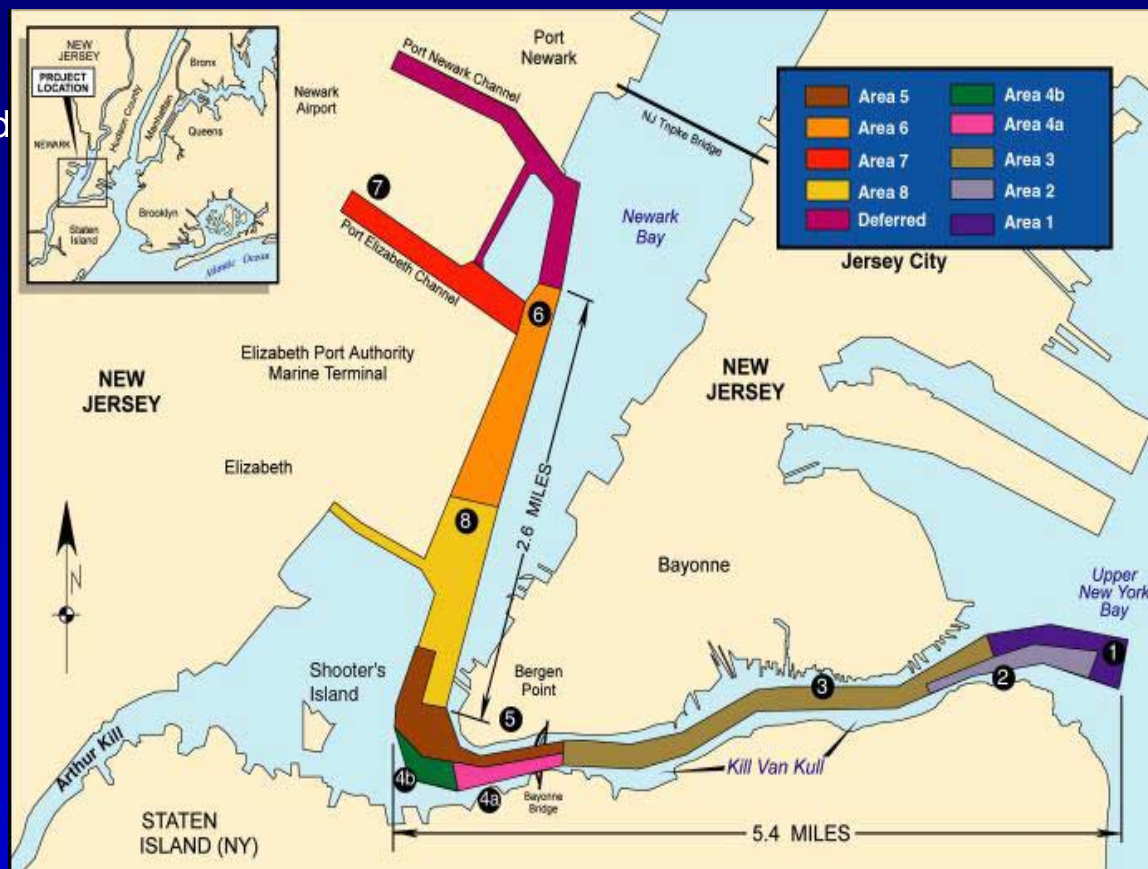
- ◆ Area 8 – Dec 02

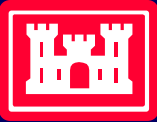
- **PLANNED COMPLETION:** Dec 2004

- **TOTAL PROJECT COST:** \$733 million

- **SPONSOR:** Port Authority of NY & NJ

- **POINT-OF-CONTACT:** Harold Hawkins,
212-264-9092

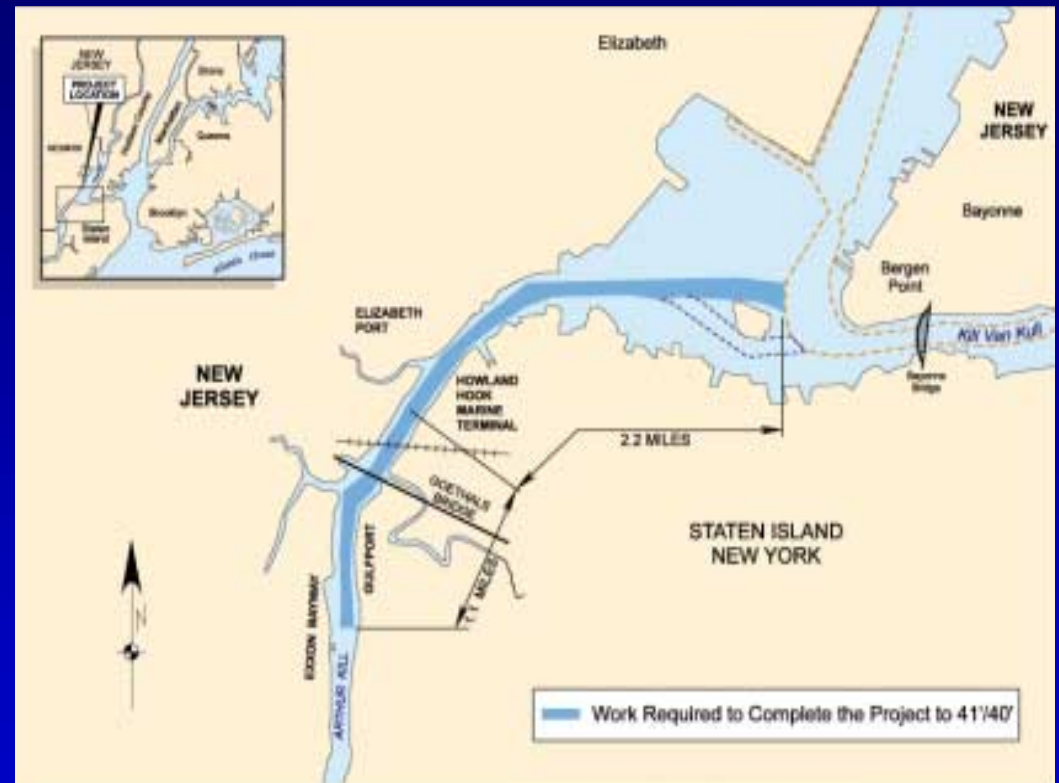




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Arthur Kill Channel Howland Hook Marine Terminal (41/40 foot Project)

- **DESCRIPTION:**
 - ◆ Channel Deepening from 35 ft to 41/40 ft
- **STATUS:**
 - ◆ Executed Project Cooperation Agreement – Jul 02
 - ◆ First Construction Contract Award anticipated – Feb 03
- **PLANNED COMPLETION:** 2006
- **TOTAL PROJECT COST:** \$402 Million
- **SPONSOR:** Port Authority of NY & NJ
- **POINT-OF-CONTACT:** Michael Millard, 212-264-2054



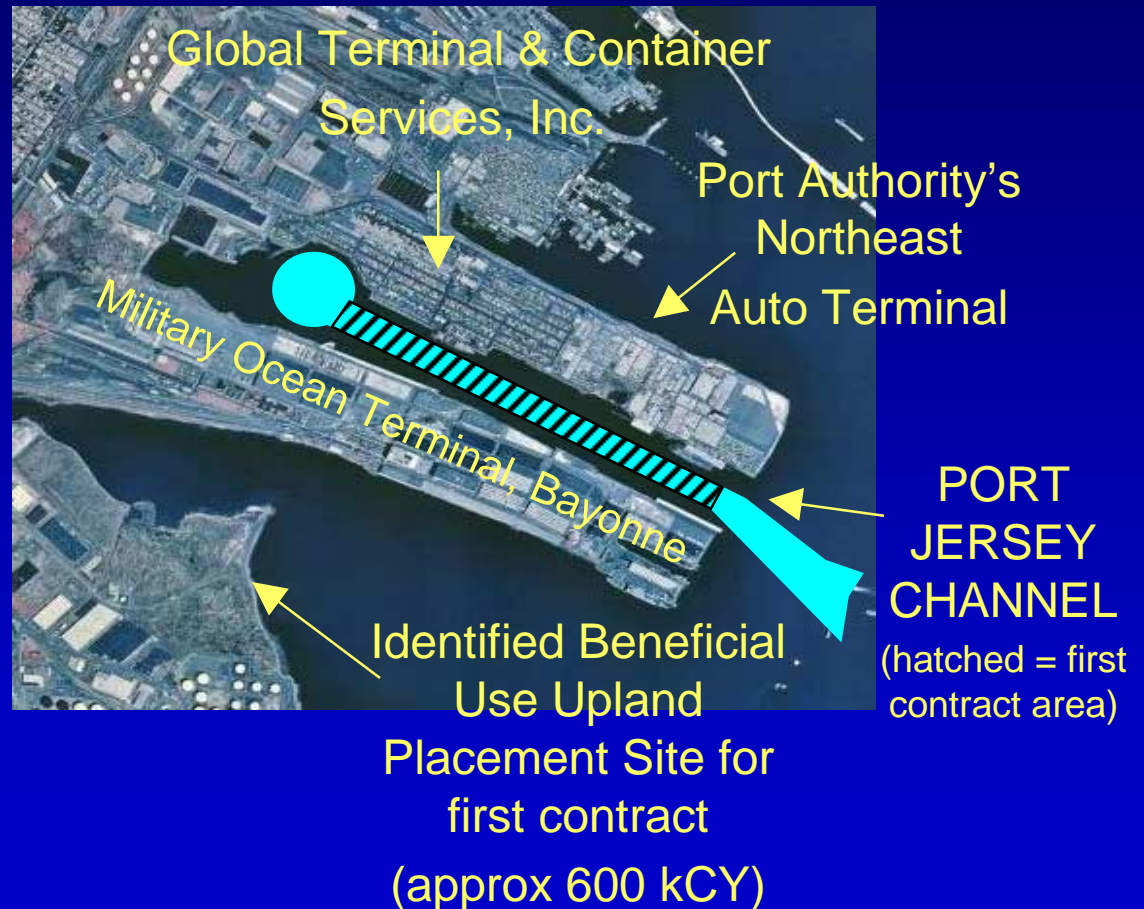


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Port Jersey Channel

(41-foot Project)

- **DESCRIPTION:**
 - ◆ Channel Deepening from 35/38 ft to 41 ft.
- **STATUS:**
 - ◆ Project Cooperation Agreement – July 02
 - ◆ Anticipated First Construction Contract Award – Oct 02
- **COMPLETION:** 2005
- **TOTAL PROJECT COST:** \$119 Million
- **SPONSOR:** NJ Office of Maritime Resources (primary) & Port Authority of NY & NJ (limited sponsor)
- **POINT-OF-CONTACT:** Bryce Wisemiller, (212) 264-5797





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New York & New Jersey Harbor (50-foot Project)

- **DESCRIPTION:** Deepen the Ambrose Channel to 53 ft, the Anchorage, Bay Ridge, Port Jersey, Kill Van Kull, Newark Bay and Arthur Kill to Howland Hook to 50 ft (52 ft in rock)
- **STATUS:**
 - ◆ Final Report/FEIS – Dec 99
 - ◆ Chiefs Report signed May 2000
 - ◆ WRDA Authorization – Dec 2000
 - ◆ Design Agreement executed Jan 01
 - ◆ Construction expected to begin in FY 2004
 - ◆ Consolidation efforts being integrated into overall plan
- **FUNDING:**
 - ◆ Total Project Cost: \$1.8 billion
 - ◆ Total PED Cost: \$20 million
- **SPONSOR:** Port Authority of NY & NJ
- **POINT-OF-CONTACT:** Tom Shea, 212-264-5570





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New York Anchorages

(Navigation Feasibility Study)

- **DESCRIPTION:**

- ◆ Determine the feasibility of deepening the Red Hook Flats Anchorage for lightering purposes and to relieve congestion in the Arthur Kill.

- **STATUS:**

- ◆ Recon. phase completed 1994
- ◆ Feasibility Study started Sep 2000
- ◆ Draft Feasibility Report/DEIS expected in July 2003

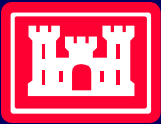
- **FUNDING:**

- ◆ Total Study Cost: \$3.2 mil

- **SPONSOR:** Port Authority of NY & NJ

- **POINT-OF-CONTACT:** Tom Shea,
212-264-5570





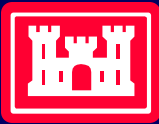
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Dredged Material Management Plan

Port of New York & New Jersey

- **DESCRIPTION:** Sediment contamination and Mud Dump closure caused dredging “gridlock” in the mid-90’s. The Corps in the “tri-party letter” to Congress (July 1996) committed to develop a DMMP for the Port to address conflicts between dredging needs and environmentally acceptable dredged material placement options. A comprehensive, regionally supported plan that identifies preferred and contingency dredged material management options to allow unimpeded maintenance and deepening of the Port through 2040.
- **STATUS:**
 - ◆ DMMP Implementation Report and Draft PEIS – Sep 99
 - ◆ Biannual Updated Report and Final PEIS – Fall 2002
- **ISSUES:**
 - ◆ Obtaining Regional Support
 - ◆ Flexible, non-Traditional Approach
 - ◆ Cost-Sharing of Higher Cost Beneficial Use Options
 - ◆ Controversial Borrow Pit Habitat Restoration Options





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Dredged Material Capacity Short Term (18 months) Needs

Requirements

KVK 5 (Complete)	115 k yd ³
Port Jersey 1	557 k yd ³
Kill Van Kull 6	660 k yd ³
Kill Van Kull 8	1 m yd ³
Arthur Kill 1	960 k yd ³

Projected Capacity

OENJ-Bayonne	800 K yds ³ (up to 1.8m yds ³)
Hackensack Meadowlands – ENCAP	2.5 M yds ³
Linden Landfill	800 K yds ³
PA Mines – Bark Camp	80 K yds ³ (up to 1 bil)
Penn and Fountain	500 K yds ³
Biogenesis	75 K yds ³
Brookfield/Fresh Kills	> 3 M yds ³
Newark Bay CDF	650K yds ³





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Historic Area Remediation Site

- **DESCRIPTION:** The HARS is a result of the “three-party” letter issued by the Secretaries/Administrator of USDOT, USEPA, and US Army on July 24, 1996 in which the agencies committed to closing the Mud Dump and simultaneously designating the HARS by September 1, 1997. The letter stated that “the HARS will be remediated with uncontaminated dredged material (*i.e.*, dredged material that meets current Category I standards and will not cause significant undesirable effects including through bioaccumulation).” The HARS covers a 15.7 sq. nautical mile area and will require a minimum of 40.6 MCY to remediate with a one-meter cap.
- **STATUS:**
 - In September 2000, the EPA and Corps issued a Memorandum of Agreement (MOA) to strengthen environmental protection standards for the ocean. The MOA changed the bioaccumulation value of total PCBs in worm tissue from 400 ppb to an interim value of 113 ppb while the entire Testing Evaluation Framework (TEF) undergoes stakeholder, scientific peer and public review.
 - The MOA outlined finalization of the TEF by February 2002. With the substantially increased public interest and technical views on the TEF, the current schedule has been extended.





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Comprehensive Port Improvement Plan for the Port of NY & NJ

- ❑ Initiated via Memorandum of Understanding Executed in December 1999/January 2000
- ❑ Goal of Concurrently Developing CIP and CIP-EIS within five years.
- ❑ Funded by Consortium comprising States, NYC, and PANY/NJ.
- ❑ Consortium Will Oversee Development of CIP Concurrently With Federal & State Co-Leads Preparing CIP-EIS under NEPA
- ❑ CIP Plan Consultant has been hired and work is underway.
- ❑ Currently Acquiring the CIP-EIS Consultant Support
- ❑ Stakeholder Consultation Begun
- ❑ New York District Point of Contact:
Tom Shea, 212-264-5570; Bryce Wisemiller, 212-264-5797





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Beneficial Reuse of Dredged Material

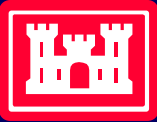
Capping Landfills & Brownfields in Port Region



- Processing typically required for geophysical site requirements & to reduce leaching
- Limited number of sites in Harbor Estuary region
- Large capacity sites are far from Harbor Estuary and are under evaluation
- Added Processing, Transport & Handling Costs
- Opportunities available under CAP and WRDA

Pennsylvania Coal Mine Reclamation





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Hudson-Raritan Estuary

(Environmental Restoration Feasibility Study)

- **DESCRIPTION:** Identify, Select and Evaluate solutions for Estuary-Wide Ecosystem Restoration projects, including creation, enhancement and restoration of aquatic, wetland and adjacent upland habitats, and environmental dredging.

Three Components:

- ◆ Comprehensive Study
 - ◆ Gowanus Canal
 - ◆ Lower Passaic River
 - ◆ Hackensack Meadowlands
- **POINT-OF-CONTACT:** Bryce Wisemiller, 212-264-5797





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Hudson-Raritan Estuary (Comprehensive Study) (Environmental Restoration Feasibility Study)

- **Two Components:**
 - ◆ Comprehensive Restoration Improvement Plan
 - ◆ Address habitat fragmentation and other system-wide issues on a watershed basis
 - ◆ Coordinate all opportunities into a management plan for restoring the estuary as a whole
 - ◆ Recommend future restoration actions based on what's best for the system (may include non-Corps initiatives)
 - ◆ 13 Specific study locations;
 - ◆ Determine immediate restoration projects (information feeds into CRIP)
 - ◆ Move project recommendations independently from others if warranted.
- **STATUS:** FCSA signed July 01
- **FUNDING:** \$19 million, cost-shared 50-50 with The Port Authority of NY & NJ



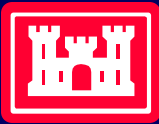


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Gowanus Canal, Hudson-Raritan Estuary (Environmental Restoration Feasibility Study)

- **DESCRIPTION:** Identify, Select and Evaluate solutions for Gowanus Canal Ecosystem Restoration project, including creation, enhancement and restoration of aquatic, wetland and adjacent upland habitats, and environmental dredging.
- **STATUS:** FCSEA Signed Jan 02
- **FUNDING:** \$5 million
- **SPONSOR:** New York City DEP





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Lower Passaic River, Hudson-Raritan Estuary (Environmental Restoration Feasibility Study)

- **DESCRIPTION:** Identify, Select and Evaluate solutions for Lower Passaic River Ecosystem Restoration project, including creation, enhancement and restoration of aquatic, wetland and adjacent upland habitats, and environmental dredging.
- **STATUS:**
 - ◆ Sign FCSA early 3rd Qtr, FY 2002
- **FUNDING:**
 - ◆ \$5 million, cost-shared 50-50 with sponsor
- **SPONSOR:** NJDOT Office of Maritime Resources





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New Jersey Meadowlands Restoration Study, Hudson-Raritan Estuary (Environmental Restoration Feasibility Study)

- **DESCRIPTION:** The New Jersey Meadowlands Commission (NJMC) has identified several preliminary sites within the Meadowlands for creation, enhancement and restoration of aquatic, wetland and adjacent upland habitats. This study will develop a regionally-supported, comprehensive environmental restoration plan for the Meadowlands which includes specific actions for selected sites that may be implemented by other agencies / organizations as well as those that may be performed by the Corps.
- **STATUS:** The study scope, schedule and funding along with the Feasibility Cost-Sharing Agreement are under development with sponsor. Execution of the FCSA is scheduled for early 2003.
- **FUNDING:** TBD
- **SPONSOR:** NJMC





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District Points-of-Contact

Harbor Programs Branch

- ◆ Joe Seebode, (212) 264-0110: Chief, Harbor Programs Branch
- ◆ Hal Hawkins (212) 264-9092: Kill Van Kull and Newark Bay Channels
- ◆ Joe Forcina, (212) 264-5504, Kill Van Kull & Newark Bay
- ◆ Mike Millard, (212) 264-2054: Arthur Kill Channel-Howland Hook
- ◆ Tom Shea, (212) 264-5570: NY & NJ Harbor (50 ft), Hudson-Raritan Estuary, NY Anchorages
- ◆ Bryce Wisemiller, (212) 264-5797: Port Jersey Channel, Comprehensive Port Improvement Plan, DMMP
- ◆ Carolyn Vadino, (212) 264-0109: Public Affairs
- ◆ Visit Us At www.nan.usace.army.mil/harbor



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Questions?

